ABSTRACT

The method comprises the steps of determining initially the structure of the code being read, to identify the number of rows and columns of the code; generating an ideal rectangular grid formed by rows and columns unambiguously defining the coordinates of notable points corresponding to the central point of each code element; determining, on the basis of reference points of known position, the homographic transformation linking notable points of the rectangular grid and characteristic points on the deformed image; calculating the coordinates of the characteristic points; and generating a transformed image to be decoded, the pixels of transformed image having the coordinates of the grid notable points and a value equal to the binarized brightness value of the corresponding characteristic points.